Datasheet for ABIN654444

anti-COL5A1 antibody (N-Term)

5 Images

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Overview

Quantity:	400 µL
Target:	COL5A1
Binding Specificity:	AA 54-82, N-Term
Reactivity:	Human, Mouse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This COL5A1 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))

Product Details

Immunogen:	This COL5A1 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 54-82 amino acids from the N-terminal region of human COL5A1.
Clone:	RB28077
Isotype:	IgG
Purification:	This antibody is purified through a protein A column, followed by peptide affinity purification.

Target Details

Target:	COL5A1
Alternative Name:	COL5A1 (COL5A1 Products)
Background:	COL5A1 encodes an alpha chain for one of the low abundance fibrillar collagens. Fibrillar

Target Details

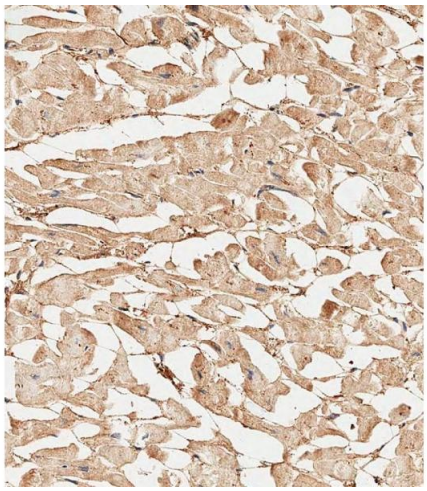
	collagen molecules are trimers that can be composed of one or more types of alpha chains. Type V collagen is found in tissues containing type I collagen and appears to regulate the assembly of heterotypic fibers composed of both type I and type V collagen. COL5A1 product is closely related to type XI collagen and it is possible that the collagen chains of types V and XI constitute a single collagen type with tissue-specific chain combinations. Mutations in this gene are associated with Ehlers-Danlos syndrome, types I and II. [provided by RefSeq].
Molecular Weight:	183560
Gene ID:	1289
NCBI Accession:	NP_000084
UniProt:	P20908
Pathways:	Growth Factor Binding

Application Details

Application Notes:	WB: 1:2000. WB: 1:1000. WB: 1:1000. IHC-P-Leica: 1:500. IHC-P-Leica: 1:500
Restrictions:	For Research Use only

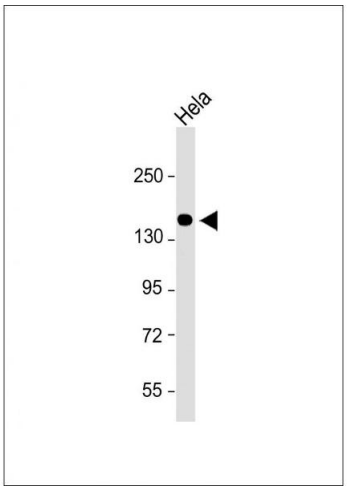
Handling

Format:	Liquid
Buffer:	Purified polyclonal antibody supplied in PBS with 0.09 % (W/V) sodium azide.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	4 °C,-20 °C
Storage Comment:	Maintain refrigerated at 2-8 °C for up to 6 months. For long term storage store at -20 °C in small aliquots to prevent freeze-thaw cycles.
Expiry Date:	6 months



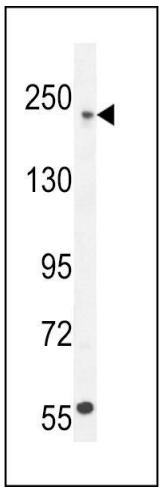
Immunohistochemistry (Paraffin-embedded Sections)

Image 1. Immunohistochemical analysis of paraffin-embedded Human heart tissue using A performed on the Leica® BOND RXm. Tissue was fixed with formaldehyde at room temperature, antigen retrieval was by heat mediation with a EDTA buffer (pH 9. 0). Samples were incubated with primary Antibody (1:500) for 1 hours at room temperature. A undiluted biotinylated CRF Anti-Polyvalent HRP Polymer antibody was used as the secondary antibody.



Western Blotting

Image 2. Anti-COL5A1 Antibody (N-term) at 1:2000 dilution + Hela whole cell lysate Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 184 kDa Blocking/Dilution buffer: 5 % NFDM/TBST.



Western Blotting

Image 3. COL5A1 Antibody (N-term) (ABIN654444 and ABIN2844178) western blot analysis in cell line lysates (35 µg/lane).This demonstrates the COL5A1 antibody detected the COL5A1 protein (arrow).

Please check the product details page for more images. Overall 5 images are available for ABIN654444.